

इंटरनेट

मानक

Disclosure to Promote the Right To Information

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5000-OD8 (1969): Dimensions of Semiconductor Devices,
Device Outline OD8 [LITD 5: Semiconductor and Other
Electronic Components and Devices]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

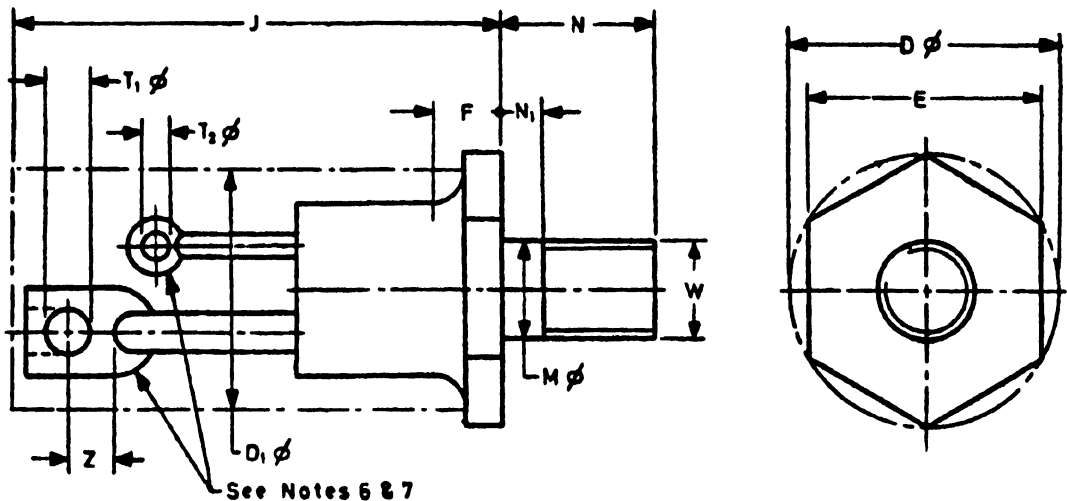
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Indian Standard
DIMENSIONS OF SEMICONDUCTOR DEVICES
DEVICE OUTLINE OD8

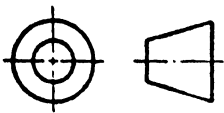
(Incorporating Amendment No. 1)

1. Dimensions — The drawing has been prepared in accordance with IS : 5001-1969 'Guide for preparation of drawings of semiconductor devices'.



| Reference | Millimetres | | | Notes |
|----------------|-------------|------------|------------|-------|
| | <i>Min</i> | <i>Nom</i> | <i>Max</i> | |
| D | — | — | 16.51 | — |
| D ₁ | — | — | — | 1,2 |
| E | — | 14.0 | — | — |
| F | 2.9 | — | — | — |
| J | — | — | 30.48 | 1 |
| M | — | — | — | 3 |
| N | 10.72 | — | 11.50 | — |
| N ₁ | — | — | 2.26 | — |
| T ₁ | 3.18 | — | 4.44 | — |
| T ₂ | 1.53 | — | — | — |
| W | — | M6 | — | 4 |
| Z | 3.05 | — | — | 5 |

Note 1 — The device, with the exception of the hexagon and thread, lies within the cylinder of diameter D₁ and length J.



Adopted 2 April 1969

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Price Group 1

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

IS : 5000 (OD8) - 1969

Note 2 — Diameter D_1 shall not be greater than the actual across flats dimension of the hexagon used.

Note 3 — Diameter M refers to zone N_1 . The maximum value should not exceed the outside diameter of the thread.

Note 4 — A clearance hole of 7.01 mm minimum diameter ensures interchangeability between metric and inch type devices.

Note 5 — Minimum flat.

Note 6 — The contour and orientation of the terminal slugs or lugs are undefined.

Note 7 — The large terminal lug is No. 1, and the small terminal lug is No. 2.

2. Rules for Coding — See 8.1 of IS : 5001 1969.

3. Equivalent Designation Code followed by Other Countries and Organizations

| Country or Organization | Designation Code |
|-------------------------|------------------|
| India | OD8 |
| IEC | AIIM |
| USA | TO-48 |
| UK | SO-36 |
| Netherlands | NT13M |
| France | TO-48/37M |
| Japan | SC-14 |

EXPLANATORY NOTE

This edition 1.1 incorporates Amendment No. 1 (July 1977). Side bar indicates modification of the text as the result of incorporation of the amendment.